

	L #	Hits	Search Text	DBs	Time Stamp
1	L1	2	"9627670"	USPA T; EPO; 2001/11/0 JPO; 2 17:31 DERW ENT	
2	L6	1	(rfbk and rfbm) or (manc and manb)	USPA T; EPO; 2001/11/0 JPO; 2 17:36 DERW ENT	
3	L11	0	GDP adj mannose adj phosphorylase	USPA T; EPO; 2001/11/0 JPO; 2 17:36 DERW ENT	
4	L16	7	GDP adj mannose adj pyrophosphorylase	USPA T; EPO; 2001/11/0 JPO; 2 17:39 DERW ENT	
5	L21	2	116 and phosphomannomutase	USPA T; EPO; 2001/11/0 JPO; 2 17:39 DERW ENT	

IUBMB Enzyme Nomenclature

EC 2.7.7.22

Recommended name: mannose-1-phosphate guanylyltransferase (GDP)

Reaction: GDP + D-mannose 1-phosphate = phosphate + GDP mannose

Other name(s): GDP mannose phosphorylase; mannose 1-phosphate (guanosine diphosphate) guanylyltransferase; GDP mannose phosphorylase; GDP-mannose 1-phosphate guanylyltransferase; guanosine diphosphate-mannose 1-phosphate guanylyltransferase; guanosine diphosphomannose phosphorylase; mannose 1-phosphate guanylyltransferase

Systematic name: GDP:D-mannose-1-phosphate guanylyltransferase

Links to other databases: [BRENDA](#), [EXPASY](#), [KEGG](#), [WIT](#), CAS registry number: 9026-31-7

References:

1. Carminatti, H. and Cabib, E. Phosphorolysis of the pyrophosphate bond of some nucleotides. *Biochim. Biophys. Acta* 53 (1961) 417-419.

[EC 2.7.7.22 created 1965, modified 1976]

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Man C

IUBMB Enzyme Nomenclature

EC 5.4.2.8

Recommended name: phosphomannomutase

Reaction: D-mannose 1-phosphate = D-mannose 6-phosphate

Other name(s): mannose phosphomutase; phosphomannose mutase

Systematic name: D-mannose 1,6-phosphomutase

Comments: D-Mannose 1,6-bisphosphate or D-glucose 1,6-bisphosphate can act as cofactor. Formerly EC 2.7.5.7.

Links to other databases: [BRENDA](#), [EXPASY](#), [GTD](#), [KEGG](#), [WIT](#), CAS registry number:

References:

1. Small, D.M. and Matheson, N.K. Phosphomannomutase and phosphoglucomutase in developing *Cassia corymbosa* seeds. *Phytochemistry* 18 (1979) 1147-1150.

[EC 5.4.2.8 created 1981 as EC 2.7.5.7, transferred 1984 to EC 5.4.2.8]

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Man B
